

	Application Number	09/826,118
	Filing Date	01/09/2001
	First Named Inventor	Urbain A. von der Embse
	Art Unit	2193
	Examiner Name	Chat C. Do
Number of Pages in This Submission		Attorney Docket Number

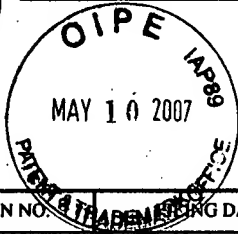
ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks <p>Response to Office Action 04/19/2007 Amended Claims, Specification, Drawings</p>		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name		
Signature	Urbain A. von der Embse	
Printed name	Urbain A. von der Embse	
Date	05/07/2007	Reg. No.

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature	Urbain A. von der Embse	
Typed or printed name	Urbain A. von der Embse	Date 05/07/2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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APPLICATION NO.	MAILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/826,118	01/09/2001	Urbain Alfred Von der Embse		4398

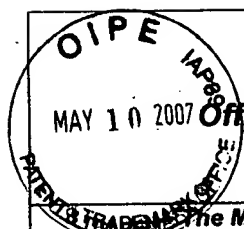
7590 04/19/2007
URBAIN A. VON DER EMBER
7323 W. 85TH STREET
WESTCHESTER, CA 90045-2444

EXAMINER	
DO, CHAT C	
ART UNIT	PAPER NUMBER
2193	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/19/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.



Office Action Summary

Application No.

09/826,118

Applicant(s)

VON DER EMBSE, URBAIN
ALFRED

Examiner

Chat C. Do

Art Unit

2193

The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 March 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7, 8, 10 and 12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 7, 8, 10 and 12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 March 2007 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 07/05/2006.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.



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DETAILED ACTION

1. This communication is responsive to Amendment filed 03/05/2007.
2. Claims 7-8, 10, and 12 are pending in this application. Claim 7 is independent claims.

In Amendment, claims 1-6, 9, and 11 are cancelled and claims 7-8, 10, and 12 are entirely amended. This Office Action is made non-final.

Drawings

3. The drawings are objected to under 37 CFR 1.83(a) because they fail to show the limitations cited in claims 7-8, 10, and 12 as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet"

or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

4. The disclosure is objected to because of the following informalities:

There is no specification corresponding to the changes.

Appropriate correction is required.

Claim Objections

5. Claims 7-8, 10, and 12 are objected to because of the following informalities:

Status for claims 7-8, 10, and 12 for the remark version and clean version are not the same. In addition, claim 12 has incorrect status wherein it should be currently amended instead of new.

Re claim 7, there are quite a few of missing spelling within the claim (e.g. nother in line 2 of claim 7). The applicant is advised to correct the spelling for clarification issue.

Claims 10 and 12 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claims 7-8. See MPEP § 608.01(n). Accordingly, the claims 10 and 12 not been further treated on the merits.

Further, claim 12 has a period (.) in page 4.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

7. Claims 7-8, 10, and 12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The most limitations as detail of the claim cited in claims 7-8, 10, and 12 are not clearly described or found in the original specification.

8. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

9. Claims 7-8, 10, and 12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Re claim 7, the limitation "the iterative algorithm" in line 9 page 2 lacks of antecedence basis since it does not previously define or explain. For examination purposes, the examiner considers the limitation as any iterative algorithm. Similarly there are so many limitations lack of antecedence basis within the claim.

Re claim 8, it is unclear whether claim 8 is an independent claim or dependent claim of claim 7 because its preamble cites a second method of mother wavelet instead of the method further supports method of claim 7. For examination purposes, the examiner considers the claim 8 as an independent claim, which incorporates all the limitations of claim 7 for determining the parameters J_s in ϕ . Similarly, claims 10 and 12 have the same rejection.

Response to Amendment

10. The amendment filed 03/05/2007 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows:

Figures 5-7 are considered as new drawings, which introduce new matter into the original disclosure. Further, the applicant is also admitted in page 3 of remark that the Figures 5-7 restate the algorithms derived in somewhat greater detail in the specification. Thus, the original specification does not originally supports the detail of Figures 5-7.

Most limitations cited in claims 7-8, 10, and 12 are not clearly defined or found in the original disclosure.

Applicant is required to cancel the new matter or to clearly in detail point out wherein the original specification support the added material in the reply to this Office Action.

Response to Arguments

11. Applicant's arguments with respect to claims 7-8, 10, and 12 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

An examination of this application reveals that applicant is unfamiliar with patent prosecution procedure. While an inventor may prosecute the application, lack of skill in this field usually acts as a liability in affording the maximum protection for the invention disclosed. Applicant is advised to secure the services of a registered patent attorney or agent to prosecute the application, since the value of a patent is largely dependent upon skilled preparation and prosecution. The Office cannot aid in selecting an attorney or agent.

A listing of registered patent attorneys and agents is available on the USPTO Internet web site <http://www.uspto.gov> in the Site Index under "Attorney and Agent Roster." Applicants may also obtain a list of registered patent attorneys and agents located in their area by writing to the Mail Stop OED, Director of the U. S. Patent and Trademark Office, PO Box 1450, Alexandria, VA 22313-1450

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chat C. Do whose telephone number is (571) 272-3721. The examiner can normally be reached on M => F from 7:00 AM to 5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 15, 2007

Chat C. Do
Examiner
Art Unit 2193

A handwritten signature in black ink, appearing to be 'Chat C. Do', written over a horizontal line.



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Sheet

of

Attorney Docket Number

Complete if Known

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Art Unit	2193
Examiner Name	Chat C. Do
Attorney Docket Number	

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

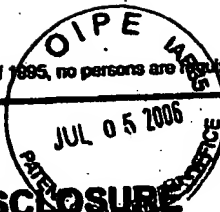
/Chat Do/ (04/15/2007)

Data Considered

04/15/2007

Signature _____ / Chat Doc (04/15/2007)

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Substitution for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

Application Number

Complete if Known

09/826,118

Filing Date

01/09/2001

First Named Inventor

Urbain A. von der Embse

Art Unit

2193

Examiner Name

Chat C. Do

Attorney Docket Number

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
ICD/		MCCLELLAN et. al., "A Computer Program for Designing Optimal FIR Linear Filters", IEEE Trans. Audio Electroacoust. Vol. AU-21, Dec 1973, pp 506-526	
ICD/		VAIDYANATHAN et. al., "Eigenvalues: A New Approach to Least-Squares FIR Filter Design and Applications Including Nyquist Filters", IEEE Trans. on Circuits and Systems, Vol. CAS-34, No. 1, Jan. 1987, pp 11-23	
ICD/		HAITAO GUO et. al., "Wavelet Transform base Fast Approximate Fourier Transforms", 1997 ICASSP IEEE INT CONF ACOUST SPEECH SIGNAL PROCESS PROC, pp 1973-1976	
ICD/		T. BLU, "A New Design Algorithm for two-band orthogonal rational filter banks and orthonormal rational Wavelets", IEEE Signal Processing, June 1998, pp. 1494-1504	
ICD/		K. C. HO et. al., "Optimum Discrete Wavelet Scaling and its Application to Delay and Doppler Estimation", IEEE Signal Processing, Sept. 1998, pp 2285-2290	
ICD/		H. S. STONE, "Progressive Wavelet Correlation Using Fourier Analysis", 01/1999 IEEE Transactions on Signal Processing, Vol. 47, No. 1, pp. 97-107	
ICD/		A. M. GRIGORYAN, "2-D and 1-D Multipaired Transforms: Frequency-Time Type Wavelets", 02/2001 IEEE Transactions on Signal Processing, Vol. 49 No. 2, pp 344-353	

Examiner Signature

/Chat Do/ (04/15/2007)

Date Considered

04/15/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.